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1998-088109/09

=RU 2121807-C1

Vacuum cleaner - with cleaning head containing lamp

KWANJU ELECTRONICS CO LTD 1996.05.28 1996KR-018279 (1996.04.13 1996KR-011194)

Q71 X25 X26 X27 (1998.11.20) \*DE 19714978-A1 A47L 9/30

1997.04.11 1997RU-106413

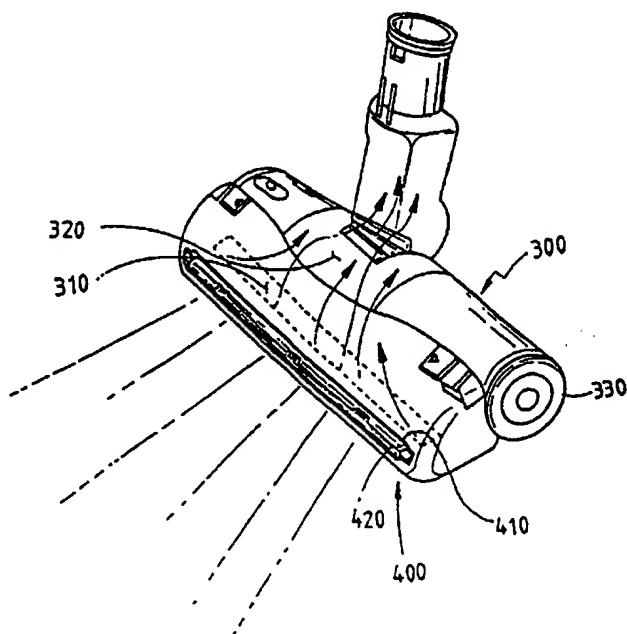
Addnl.Data: 1996.04.13 1996KR-011195 1996.04.13 1996KR-011196

The vacuum cleaner has a main body and separate cleaning head connected to it by a hose and electrical conductors by which dirt is sucked up from a surface which is illuminated by a lamp in the front of the cleaning head.

The cleaning head (300) of the vacuum cleaner sucks up (320) dirt and dust conventionally by a low pressure generated by the main body part of the appliance. A channel (410) along the lower front of the head contains a tubular incandescent lamp (420), which may be of the halogen type, protected by a transparent window. Cooling is provided by filter protected holes connecting to the air stream.

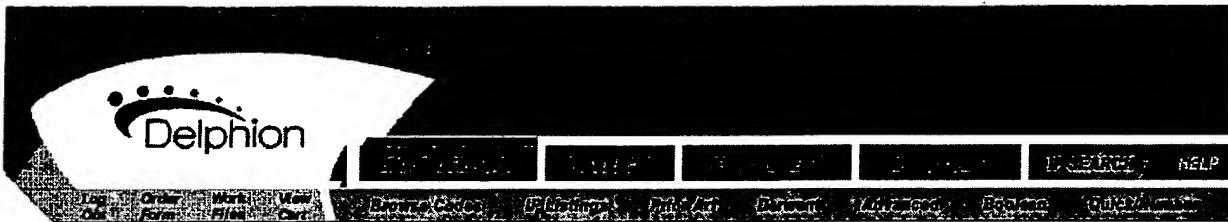
USE - Domestic or commercial vacuum cleaner.

ADVANTAGE - Surface being cleaned is illuminated.



## RU 2121807 (claims)

1. A vacuum cleaner comprising a main body and a cleaning attachment having a suction duct for drawing in dirt and dust by negative pressure generated in the main body, a lighting device supported on the cleaning attachment for illuminating the surface to be cleaned, wherein the lighting device includes an illuminating lamp, *characterized in that* the illuminating lamp is disposed in a recess formed in a front portion of the cleaning attachment, and the cleaning attachment includes lamp cooling means.
2. The vacuum cleaner of claim 1, *characterized in that* said lamp is a halogen tube having a predetermined length for horizontal illumination of the surface.
3. The vacuum cleaner of claim 1, *characterized in that* a transparent window is provided before the lamp.
4. The vacuum cleaner of claim 1, *characterized in that* the lamp cooling means comprise a plurality of heat transfer perforations connecting the recess with the suction duct.
5. The vacuum cleaner of claim 4, *characterized in that* the recess has a plurality of air inlets for allowing a flow of ambient air into the recess.
6. The vacuum cleaner of claim 5, *characterized in that* the air inlets are provided with a filter for preventing dust and dirt from flowing to the recess.
7. The vacuum cleaner of claim 1, *characterized in that* the lighting device is removably supported on the cleaning attachment and further comprises a casing and a lamp for illuminating the surface, the lamp being disposed in the casing cooling means.
8. The vacuum cleaner of claim 7, *characterized in that* the casing comprises a plurality of retainer elements securely fitting in a slot formed in the cleaning attachment for connecting the lighting device to the cleaning attachment.



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## INPADOC Record

Title: **RU2121807C1: VACUUM CLEANER**  
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Country: RU Russian Federation  
 Kind: C1 Patent

Inventor(s): **VU KHEHN-DZHIN, Republic of Korea** [No Image](#)  
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Applicant/Assignee: **KVONGDZHU EHLEKTRONIKS KO., LTD., Republic of Korea**  
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Issued/Filed Dates:

Application Number:

IPC Class:

ECLA Code:

Priority Number (s): April 13, 1996 KR1996000011194  
 April 13, 1996 KR1996000011195  
 April 13, 1996 KR1996000011196  
 May 28, 1996 KR1996000018279

Abstract:

FIELD: domestic equipment. SUBSTANCE: vacuum cleaner has cleaning attachment for sucking dust and dirt and device for illuminating surface to be cleaned. Illuminating device has lamp mounted within slot in front part of cleaning attachment for illuminating surface to be cleaned in horizontal plane. Lamp is preferably halogen lamp of predetermined length. Slot has outer air inlet openings provided with filter preventing dust and dirt from entering into slot. Illuminating device may be removably mounted on cleaning attachment and has casing and lamp mounted within casing. Casing has locking members inserted into slot in cleaning attachment so that illuminating device is connected with cleaning attachment. EFFECT: simplified construction by eliminating light guide from vacuum cleaner design and enhanced reliability in operation. 8 cl, 7 dwgi

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patent, in understandable terms.

Family:

Patent	Issued	Filed	Title
US5896618	April 27, 1999	April 14, 1997	Vacuum cleaner
<b>RU2121807C1</b>	Nov. 20, 1998	April 11, 1997	VACUUM CLEANER
KR0208128B1	July 15, 1999	March 24, 1997	VACUUM CLEANER
JP10033422A2	Feb. 10, 1998	April 11, 1997	VACUUM CLEANER
JP2998074B2	Jan. 11, 2000	April 11, 1997	
DE19714978A1	Jan. 22, 1998	April 10, 1997	STAUBSAUGER

6 family members shown above

Other Abstract DERABS G1998-088109

Info:

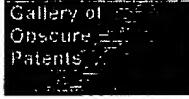
Foreign References:

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